IN THE CLAIMS

1 (Currently Amended).   A method comprising:

handling the system-wide state of a wireless device through the host controller interface firmware coupled directly to a baseband controller; and

handling the state of each link with the device through the link manager firmware coupled directly to said baseband controller.

2 (Original).   The method of claim 1 including initiating communications with connection and link management.

3 (Original).   The method of claim 1 including establishing a connection between the device and an end point.

4 (Original).   The method of claim 3 including handling baseband handshaking through the host controller interface firmware.

5 (Original).   The method of claim 3 including handling logical link connection through the link manager firmware.

6 (Currently Amended).   An article comprising a medium storing instructions that enable a processor-based system to:

handle the system-wide state of a wireless device through the host controller interface firmware; and

once a connection is established, handle the state of each link with the device through the link manager firmware.

7 (Original).   The article of claim 6 further storing instructions that enable the processor-based system to initiate communications with connection and link management.

8 (Original).   The article of claim 6 further storing instructions that enable the processor-based system to establish a connection between the device and an end point.

9 (Original).   The article of claim 8 further storing instructions that enable the processor-based system to handle baseband handshaking through the host controller interface firmware.

10 (Original). The article of claim 8 further storing instructions that enable the .processor-based system to handle logical link connection through the link manager firmware.

11 (Currently Amended).   A wireless system comprising:
     a processor; and
     a storage coupled to said processor storing instructions that enable the processor to:
     handle the system-wide state of the system through the host controller interface firmware coupled directly to a baseband controller; and
     handle the state of each link with the system through the link manager firmware coupled directly to said baseband controller.

12 (Original). The system of claim 11 wherein said storage stores instructions that enable the processor to initiate communications with connection and link management.

13 (Original). The system of claim 11 wherein said storage stores instructions that enable the processor to establish a connection between the system and a remote end point.

14 (Original). The system of claim 13 wherein said storage stores instructions that enable the processor to handle baseband handshaking through the host controller interface firmware.

15 (Original). The system of claim 13 wherein said storage stores instructions that enable the processor to handle logical link connection through the link manager firmware.